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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/069,957

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Nami Isomac

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EXAMINER

ELCENKO, ERIC J

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

08/21/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/069,957

Applicant(s)

ISOMAE, NAMI

Examiner

Eric Elcenko

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 and 80-95 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 and 80-95 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1,9,17,80 and 88 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallentin et al. (U.S. Pub. No. 2002/0086685) in view of Forslow (U.S. Pub. No. 2003/0039237) in further view of Vialen et al. (U.S. Pub. No. 2005/0083876)

In regard to Claims 1,9,17,80 and 88, Wallentin teaches a multi-cell area paging for cellular telecommunications system. Wallentin discloses services provided between a cellular telecommunications network and a mobile station over an air interface. At any moment an active mobile station is communicating over the air interface with one or more base stations. The base stations are in turn managed by base station controllers (BSCs), which in some systems are also known as radio network controllers (RNCs). The radio network controllers are connected via control nodes to a core telecommunications network. Examples of control nodes include a mobile switching center (MSC) node for connecting to connection-oriented, circuit switched networks such as PSTN and/or ISDN, and a general packet radio service (e.g., GPRS) node for connecting to packet-switched networks such as Internet, connectionless. (Para 5)

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Wallentin does not disclose a flag indicating a function of co-ordinating a packet and circuit service.

Forslow teaches a packet header in communications. The packet head is analyzed to determine whether the header specifies one of several general classes of service that indicates transport by a circuit switched bearer or a packet switched bearer. (Para 95)

It would have been obvious to one of ordinary skill in the art to modify Walentin to include the teaching of Forslow in order to provide the configuration parameters to perform a fast authentication and configuration without having to involve the external network entity.

The combination of Wallentin and Forslow does not disclose paging processing using one of a paging control channel and a dedicated control channel depending on the connection status.

Vialen discloses a data link layer, which provides upper layers with data transmission services on logical channels. The logicals channels comprise a PCCH (Paging Control Channel) and a DCCH (Dedicated Control Channel. The logical channels determine the data to be transmitted in the instant case what paging message to be sent depending on the connection. (Para 38-40)

It would have been obvious to one of ordinary skill in the art to modify the combination to include the teachings of Vialen in order to provide an efficient way to route messages and to allow simultaneous connections between two entities.

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3. Claims 2-8, 10-16, 18-24, 81-87 and 89-95 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallentin et al. (U.S. Pub. No. 2002/0086685) in view of Forslow (U.S. Pub. No. 2003/0039237) in view of Vialen et al. (U.S. Pub. No. 2005/0083876) in further view of Willars et al. (U.S. Pub. No. 2003/0013443)

In regard to Claims 2, 10, 18, 81 and 89, Willars discloses radio communications pertaining to handover in a shared radio access network environment described in the non-limiting context of a universal mobile telecommunications 10. A representative external core network 16 may take one or more forms, including either a connection-oriented, external core network or a connectionless external core network. (Para 48)

In regard to Claims 3, 5, 11, 13, 19, 21, 82, 84, 90 and 92 Willars discloses RANAP as the control plane protocol. (Para 14)

In regards to Claims 4, 6-8, 12, 14-16, 20, 22-24, 83, 85-87, 91 and 93-95, Willars discloses based on available mobile subscriber information, determines which area, networks and connections that the subscriber may access. The user information including the home network can be acquired from the IMSI. (Para 43-60; Table 1)

Response to Arguments

4. Applicant's arguments have been fully considered but they are not persuasive. Applicant argues, "a flag indicating whether or not said core network has the function of coordinating a packet service and a circuit service is added to the paging command." The examiner respectfully disagrees for the following reasons:

The idea from Forslow of the addition of the information in the header, which indicates the presence of packet or circuit switched transport is incorporated into the paging command message of the core network in Wallentin. Wallentin teaches the core network sending out a paging command to the RNC. The Paging command contains information regarding the mobile station. Wallentin also discloses two different modes of operation: one for packet switched and one for circuit switched. The packet header information of Forslow is a more reliable way for indicating the presence of circuit and packet switched services.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Elcenko whose telephone number is (571) 272-8066. The examiner can normally be reached on M-F 7:30 AM through 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571) 272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ee


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